

ABSTRACT OF THE DISCLOSURE

A method and apparatus for automated generation of a service level agreement delay value and monitoring of a network.

Service level agreement delay values are generated by calculating a path delay and standard deviation for a path through the network. A confidence interval is determined for the path delay using the standard deviation. The service level agreement delay value is generated from the path delay and the confidence interval. The network is subsequently monitored in order to predict and track violations of the service level agreement delay value. The subsequent monitoring of the network is performed for both trunks and paths within the network.

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